

Subject : Upper Shock Mounting Hardware

Condition : The upper shock mounting hardware may include spacers made of in-correct material.
This may cause shock mounting to become loose and rattle at the upper connection to the cradle.

Applies To : Fire Truck IFS 20k and 24k Models

Date Range : 9 Oct 2014 thru 12 Dec 2016
Shock date codes ending in 14 or 15 (see photo of example date code below)

Vocation : Fire Apparatus

Purpose : To provide instructions for inspection and resolution of operator complaint.

Please Read the Entire Tech Tip Before Proceeding With Any Work. Follow industry standards regarding safety equipment and procedures.



DATE CODE

Inspection should be performed at the next regularly scheduled maintenance

If the upper end of the shock can be rattled by hand replacement of hardware is required.

Tools Needed:

1. 5/8" hex (Allen) drive socket. Example Snap-on item SA20E
2. 1/2" drive torque wrench
3. 1/2" breaker bar
4. 1 1/16" torque adaptor, 12 point, 1/2" drive Snap-on item SRDH341 shown below



Parts: Kit #K714188 that includes:

- 2 long spacers #714189-01
- 2 short spacers #714190-01
- 2 socket head bolts #709623-01
- 2 Nylock nuts #710356-01

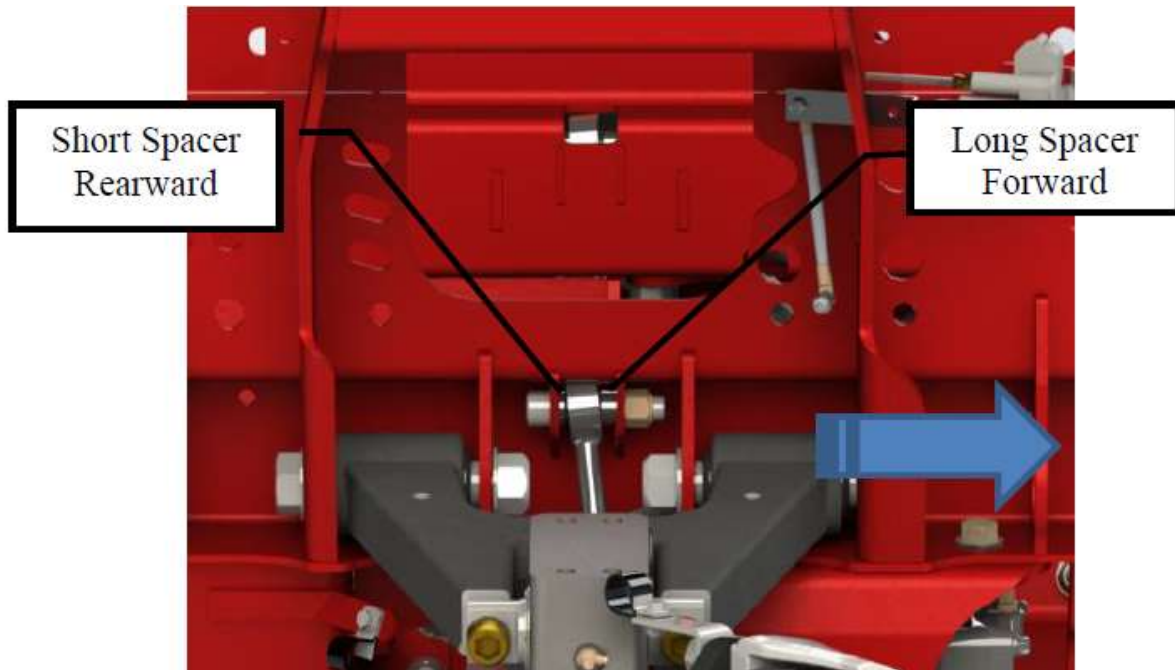
Also included in above kit are shims to address any variations in the width of cradle pocket (reference step 5 below).

- 2 Shims 0.020" #714198-01
- 2 Shims 0.032" #714199-01
- 2 Shims 0.062" #714200-01
- 2 Shims 0.125" #714201-01.

Replacement:

1. Remove and discard upper shock hardware including spacers.
2. Install new hardware including spacers from kit# K714188 as shown below.
3. Before tightening hardware inspect for gaps over 0.030". Shim gaps larger than 0.030" with appropriate shim from kit.

Assembly tip; Inset bolt through rear tab enough to hang needed shims and short spacer, place shock in position, advance bolt to engage shock, position long spacer, push bolt through front tab, and install nut.



Right side assembly shown

4. Torque the Nylock nut to 180 ft/lbs.
5. With hand force verify the shock is secured in the pocket and cannot be rattled.
6. If shock is not secured remove Nylock nut and add appropriate shim between spacer and cradle tab.
7. Install Nylock nut and torque to 180 ft/lbs
8. Repeat above process on opposite side.

Labor Allowance : 2.0 hr. if replacement of hardware is required.

For coverage please supply the following info with warrant claim and submit to chassis manufacturer.

1. Suspension serial number, located on tag at front of suspension
2. In Service Date
3. Inspection/repair date
4. Vehicle mileage